

Comparisons of Job Characteristics

Focus Occupation: Orthotists and Prosthetists (29-2091)

Associated Occupation: Medical Appliance Technicians (51-9082)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Orthotists and Prosthetists (29-2091)

Associated Occupation: Medical Appliance Technicians (51-9082)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Customer and Personal Service	11.3	18.9	20.3	0	Current knowledge level may be sufficient
Production and Processing	6.0	17.7	15.2	<	Expanded education and/or training may be required
Mechanical	6.8	16.0	15.6	0	Current knowledge level may be sufficient
Design	5.2	12.9	14.0	0	Current knowledge level may be sufficient
Medicine and Dentistry	3.7	9.4	13.6	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 47

Focus Occupation: Orthotists and Prosthetists (29-2091)

Associated Occupation: Medical Appliance Technicians (51-9082)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Quality Control Analysis	5.9	11.8	6.7	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	11.0	4.5	<<	Extensive development of skills in this area may be required
Repairing	3.4	9.6	1.7	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	9.1	1.4	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	8.5	2.3	<<	Extensive development of skills in this area may be required
Technology Design	2.6	7.3	5.7	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 86			
Focus Occupation: Orthotists and Prosthetists (29-2091) Associated Occupation: Medical Appliance Technicians (51-9082)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Near Vision	11.1	12.9	11.8	0	Current ability level may be sufficient
Visualization	7.5	12.6	11.2	<	Some improvement in abilities may be required
Control Precision	6.6	11.6	6.2	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	11.5	9.1	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	11.2	8.8	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	10.3	6.0	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	9.0	4.8	<<	Extensive improvement in abilities may be required
Wrist-Finger Speed	3.2	6.6	3.3	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 67	
Focus Occupation: Orthotists and Prosthetists (29-2091) Associated Occupation: Medical Appliance Technicians (51-9082)			
Work Activities		Exclusivity of Activity	
Use interpersonal communication techniques		10	
Use knowledge of medical terminology		40	
Use sanitation practices in health care settings		48	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 93
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Focus Occupation: Orthotists and Prosthetists (29-2091)
Associated Occupation: Medical Appliance Technicians (51-9082)

Tools and Technologies	Exclusivity
Cameras	2
Casting equipment and parts and accessories	47
Computer data input devices	2
Computers	1
Cutting and crimping and punching tools	3
Forming tools	2
Holding and clamping tools	3
Holding and positioning and guiding systems and devices	23
Industry specific software	1
Laboratory ovens and accessories	15
Length and thickness and distance measuring instruments	2
Machine tools	7
Measuring and layout tools	3
Power tools	2
Pressure measuring and control instruments	10
Rough and finishing tools	5
Rubber and plastic processing machinery and equipment and supplies	35
Soldering and brazing and welding machinery and supplies	6
Textile working machinery and equipment and accessories	51
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.